



**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

**DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION**

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/economy

Designer Doors, Inc.

702 Troy St.

River Walls, WI 54022

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: 10'-6" Wide Glazed Wood Sectional Garage Door

APPROVAL DOCUMENT: Drawing No. 1140, titled "10'-6" Wide Glazed Hurricane Impact Wood Garage Doors", sheets 1 through 5 of 5, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 07/24/2002, with last revision C1 dated 11/15/2010, signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, manufacturing address, model/series number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. An original signed and sealed company letter from Designer Doors, Inc., is required, proving that the 10'-6" wide Glazed Wood Sectional Garage Door was purchased from them in order for this NOA to be valid on any job.

This NOA **renews NOA # 11-1006.03** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Signature]
11/14/2012

NOA No. 12-0824.02
Expiration Date: October 10, 2017
Approval Date: November 21, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS “Submitted under NOA # 10-1119.01”

1. Drawing No. 1140, titled “10’-6” Wide Glazed Hurricane Impact Wood Garage Doors”, sheets 1 through 5 of 5, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 07/24/2002, with last revision C1 dated 11/15/2010, signed and sealed by Warren W. Schaefer, P.E.

B. TESTS “Submitted under NOA # 10-1119.01”

1. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram on a Series/Model H2/4 Section, glazed garage door, prepared by Architectural Testing, Inc., Test Report No. **94833.01-201-18**, dated 01/13/2010, signed and sealed by Joseph A. Reed, P.E.
2. Addendum letter to Test Reports No. **87472.01-201-18** and **87473.01-201-18** on Forced Entry Test per FBC, FBC 2411 3.2.1, TAS 202-94, prepared by Architectural Testing, Inc., dated 08/18/2009, signed and sealed by Joseph A. Reed, P.E.
3. Test reports on 1) Uniform Static Air Pressure Test Loading per SFBC, PA 202-94
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94
3) Large Missile Impact Test per SFBC, PA 201-94
along with marked-up drawings and installation diagram of a glazed wood clad garage door, both prepared by Architectural Testing, Inc., Test Report No. **02-33027.01** and No. **02-33946.01**, dated 10/10/2001 and 03/07/2002, signed and sealed by Allen Reeves, P.E. and Steven Urich, P.E. respectively. “Submitted under NOA # 02-0807.01”

C. CALCULATIONS “Submitted under NOA # 10-1119.01”

1. Anchor verification, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 11/27/2001 and revised 11/15/2010, signed and sealed by Warren W. Schaefer, P.E.

D. QUALITY ASSURANCE

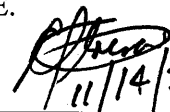
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0624.01**, issued to **E.I. DuPont DeNemours & Co., Inc.** for their “**DuPont Butacite® PVB Interlayer**” approved on 09/08/2011, expiring on 12/11/2016.
2. Notice of Acceptance No. **11-0325.05** issued to **Solutia, Inc.** for their “**Saflex IIIg**” approved on 05/05/2011, expiring on 05/21/2016.

F. STATEMENTS “Submitted under NOA # 11-1006.03”

1. Statement letter of conformance to FBC 2007 and 2010, issued by W.W. Schaefer Engineering & Consulting, P.A., dated 09/26/2011, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest, issued by W.W. Schaefer Engineering & Consulting, P.A., dated 09/26/2011, signed and sealed by Warren W. Schaefer, P.E.


11/14/2012

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 12-0824.02

Expiration Date: October 10, 2017
Approval Date: November 21, 2012

GENERAL NOTES:

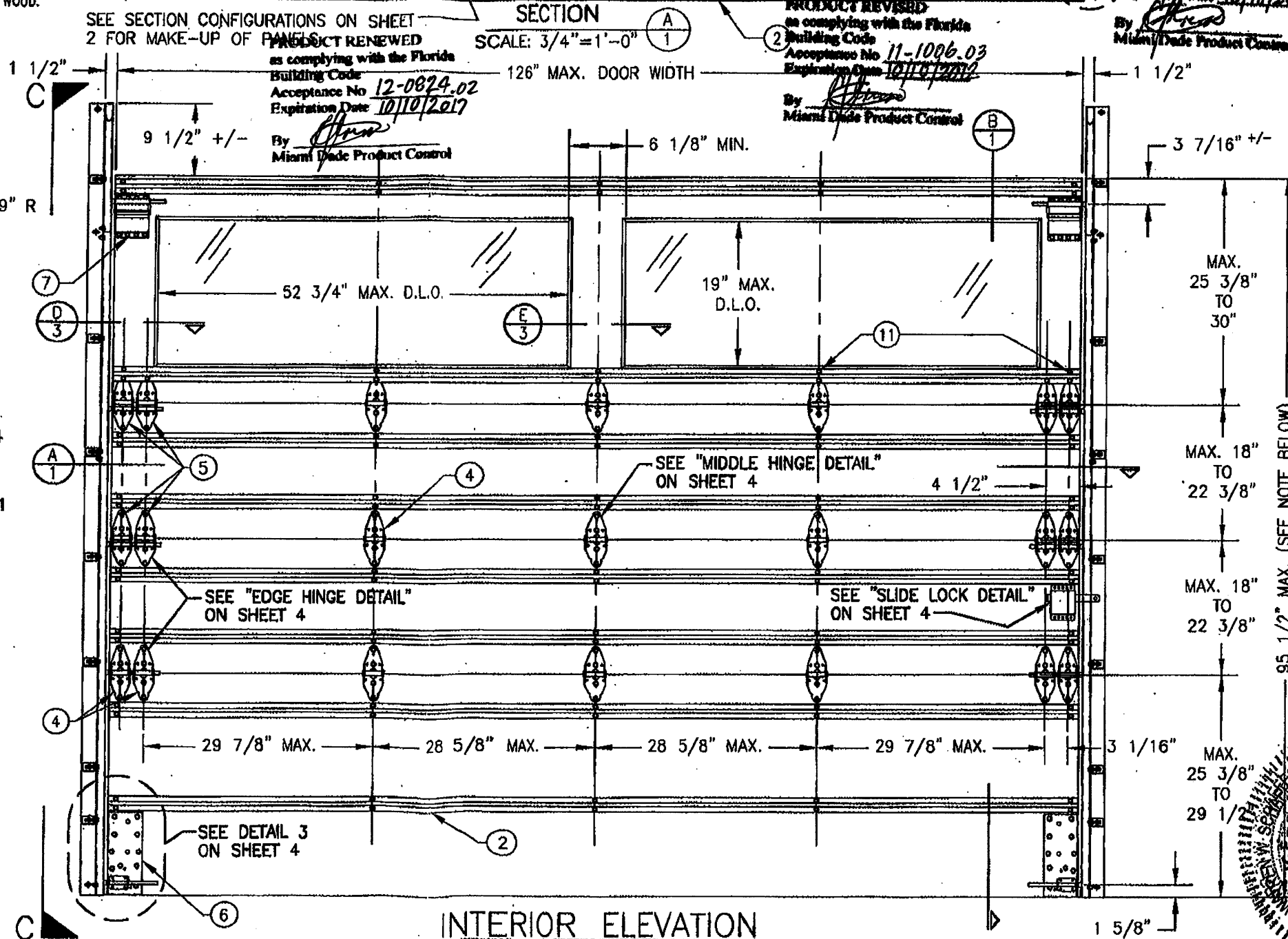
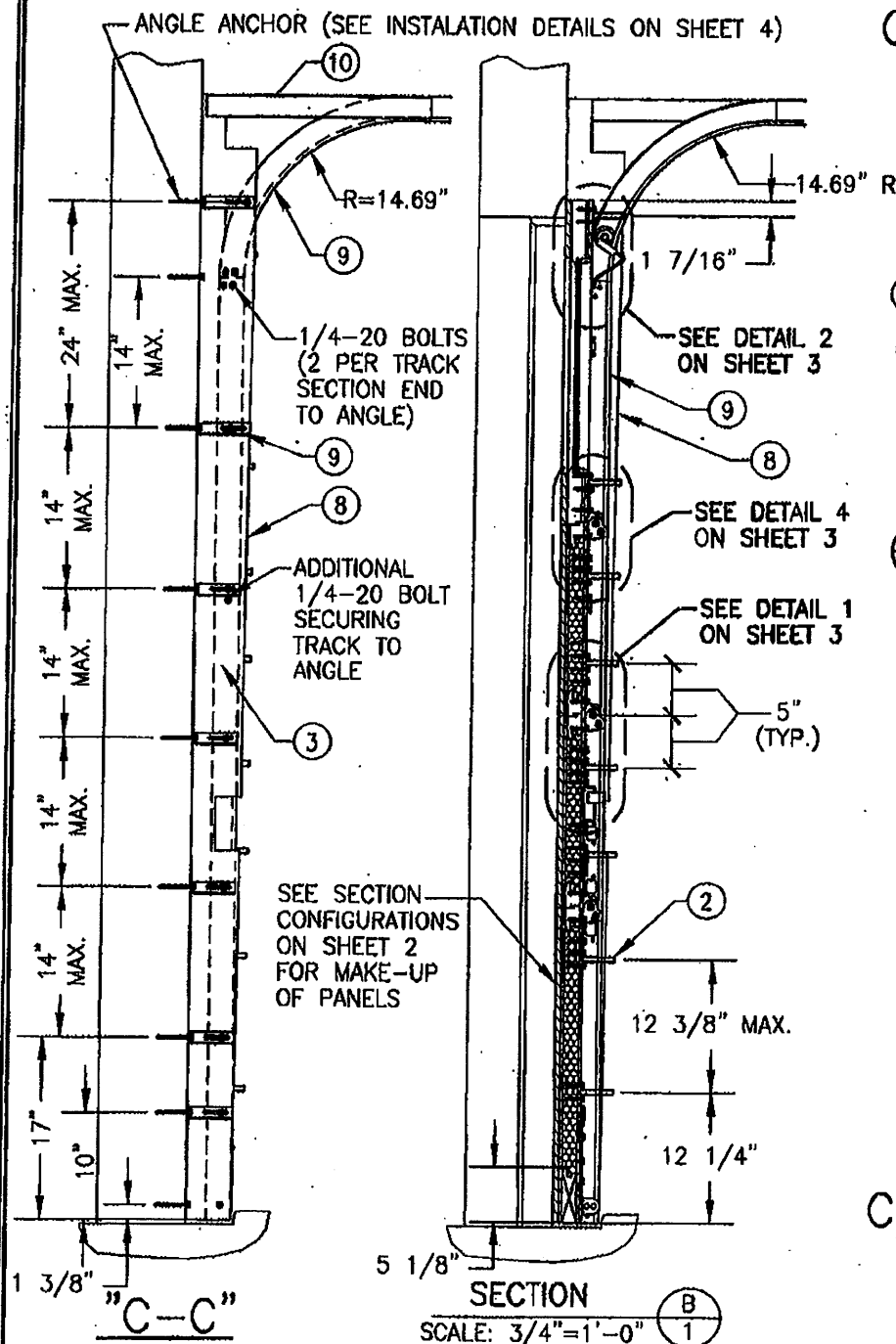
1. THESE GARAGE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT GARAGE DOORS.
5. THESE GARAGE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE GARAGE DOORS.
7. ALL ANCHORS SECURING DOORS TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.

8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED WHEN USED IN CONJUNCTION WITH LOAD COMBINATIONS SPECIFIED IN SECTION 2.0 OF THE ASCE 7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. ALL WOOD MEMBERS OF DOORS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.

ALLOWABLE DESIGN LOAD	
POSITIVE	NEGATIVE
48 PSF	65 PSF

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY:		CHECKED BY:	
W.W.S.		W.W.S.	
DATE: 1-16		DATE: 07/24/02	
REVISION	DESCRIPTION	DATE	BY
A1	UPDATE TO 2004 CODE COMPLIANT	08/17/05	WWS
B1	REDUCE ANCHOR SPACING TO 14"	08/17/05	WWS
B1	REDUCE MEETING SILE WIDTH & UPDATE TO PRESENT STANDARDS	12/04/08	WWS
C1	ADD REPORT BURST GLASS	11/15/10	WWS



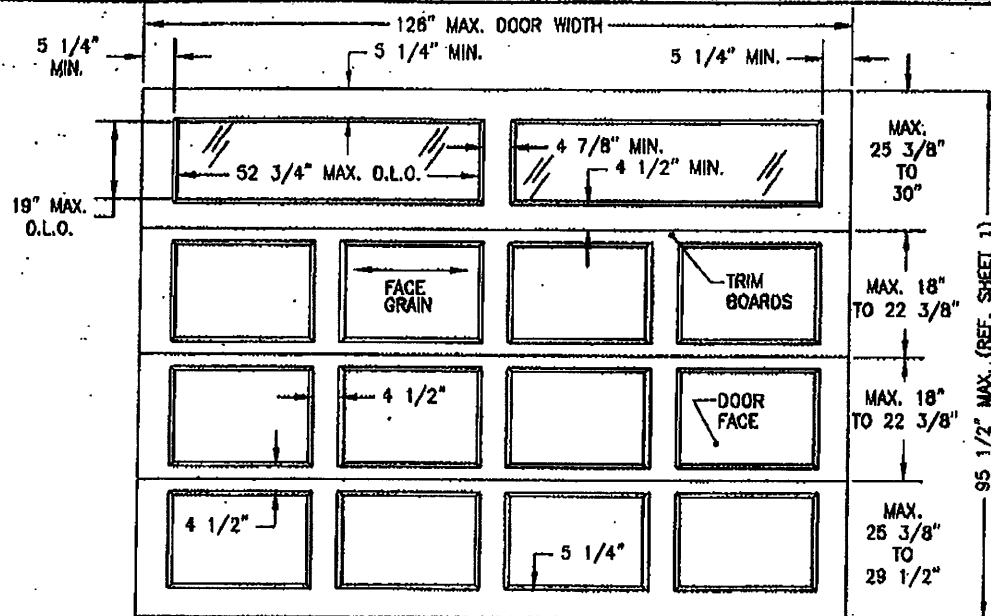
NOTE: DOOR HEIGHT MAY BE INCREASED BY UP TO 22 3/8" INCREMENTS TO A MAXIMUM OF 24 FT. PROVIDING ADDITIONAL CENTER PANEL(S) IS PLACED.
2-LIGHT DOOR SHOWN; SEE SHEET 2 FOR 3-LIGHT CONDITION.

DESIGNER DOORS, INC.
702 TROY ST.
RIVER FALLS, WI 54022
800-241-0525

W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

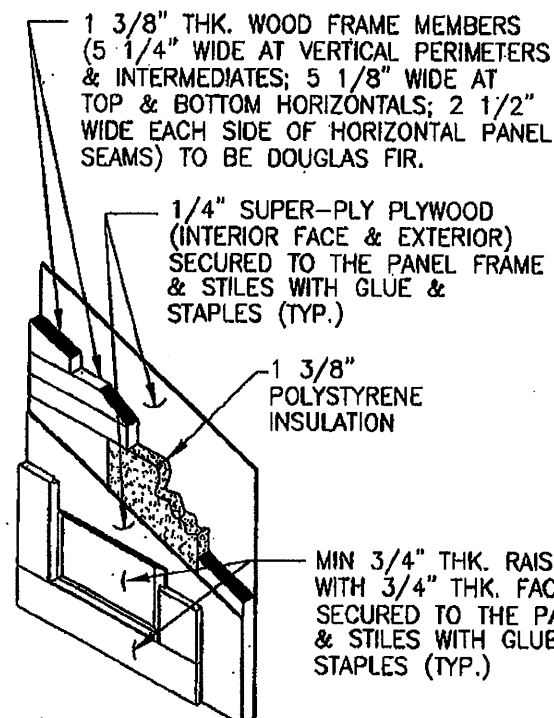
CERTIFICATION
APR 12 2011
STATE OF FLORIDA
PROFESSIONAL ENGINEER
W. SCHAEFER

DRAWING NO. 1140
SHEET NO. 1 OF 5



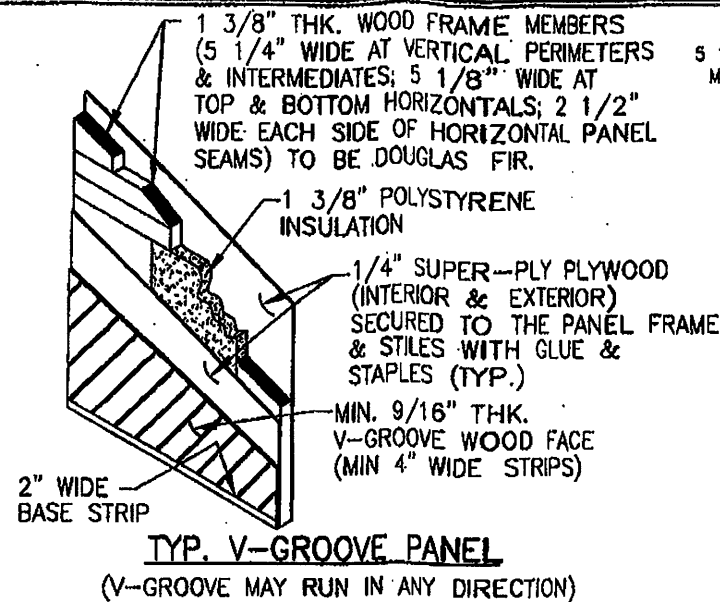
**TYP. RAISED PANEL
EXTERIOR ELEVATION**

(2-LIGHT DOOR SHOWN; SEE BELOW FOR TYP. ELEVATION
OF 3-LIGHT DOOR SECTION ALSO APPLICABLE)

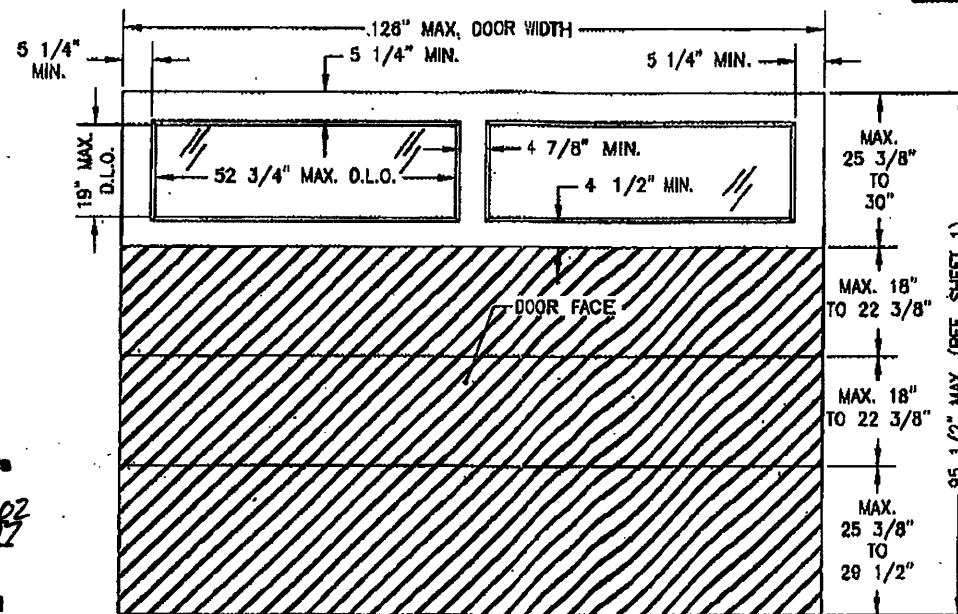


TYP. RAISED PANEL

NOTE: GLAZED DOOR SECTION MAY BE
LOCATED EITHER AT THE TOP OR TOP
MIDDLE SECTIONAL OF THE DOOR.

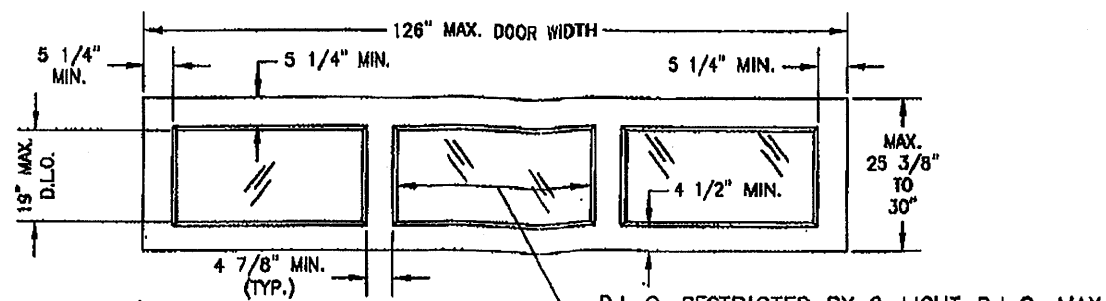


**TYP. V-GROOVE PANEL
(V-GROOVE MAY RUN IN ANY DIRECTION)**

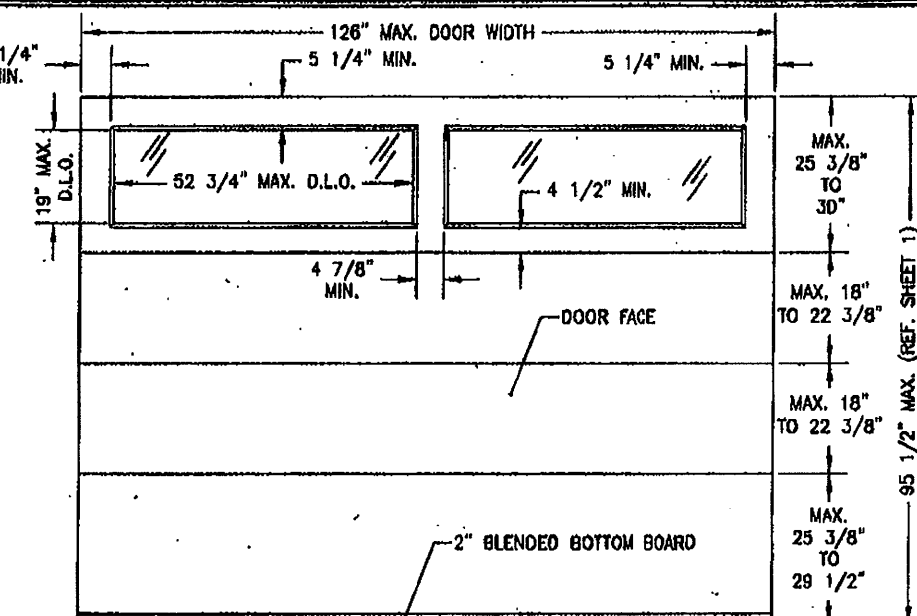


**TYP. V-GROOVE PANEL
EXTERIOR ELEVATION**

(V-GROOVE MAY RUN IN ANY DIRECTION)
(2-LIGHT DOOR SHOWN; SEE BELOW FOR TYP. ELEVATION
OF 3-LIGHT DOOR SECTION ALSO APPLICABLE)

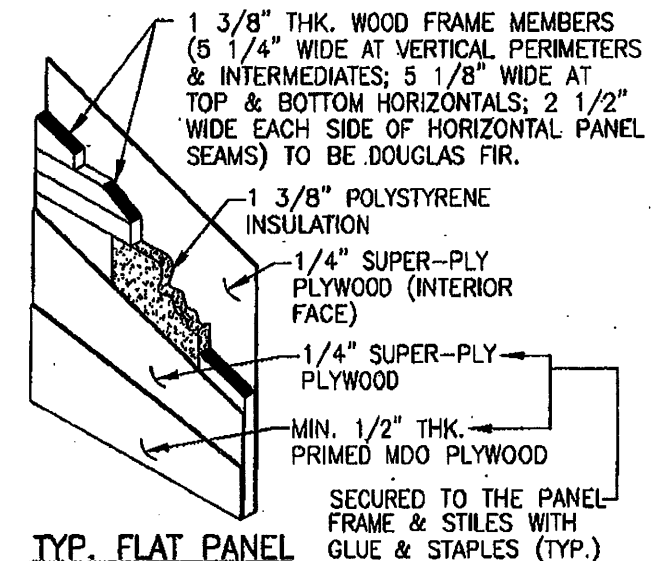


TYP. 3-LIGHT SECTION



**TYP. FLAT PANEL
EXTERIOR ELEVATION**

(2-LIGHT DOOR SHOWN; SEE BELOW FOR TYP. ELEVATION
OF 3-LIGHT DOOR SECTION ALSO APPLICABLE)



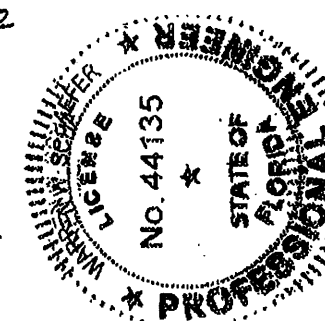
TYP. FLAT PANEL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-1006.03
Expiration Date 10/10/2012

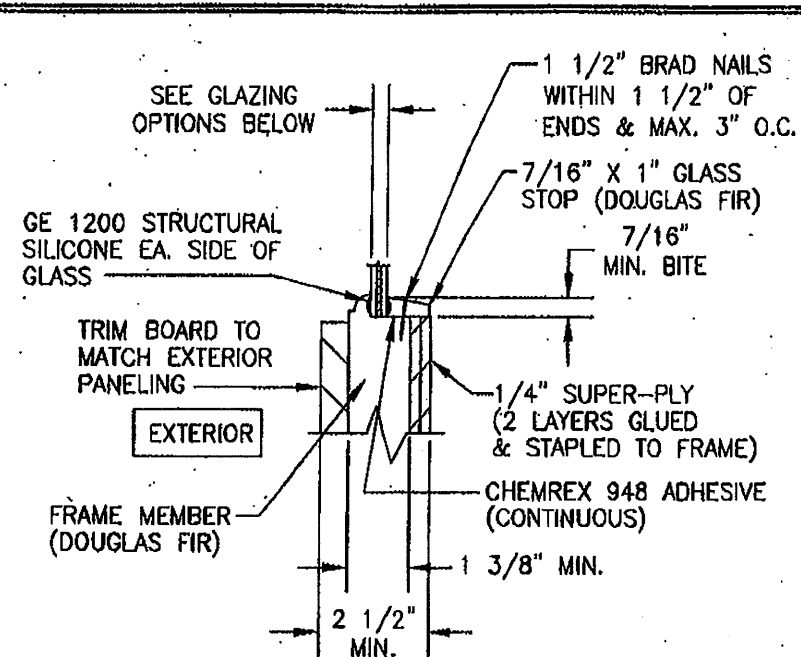
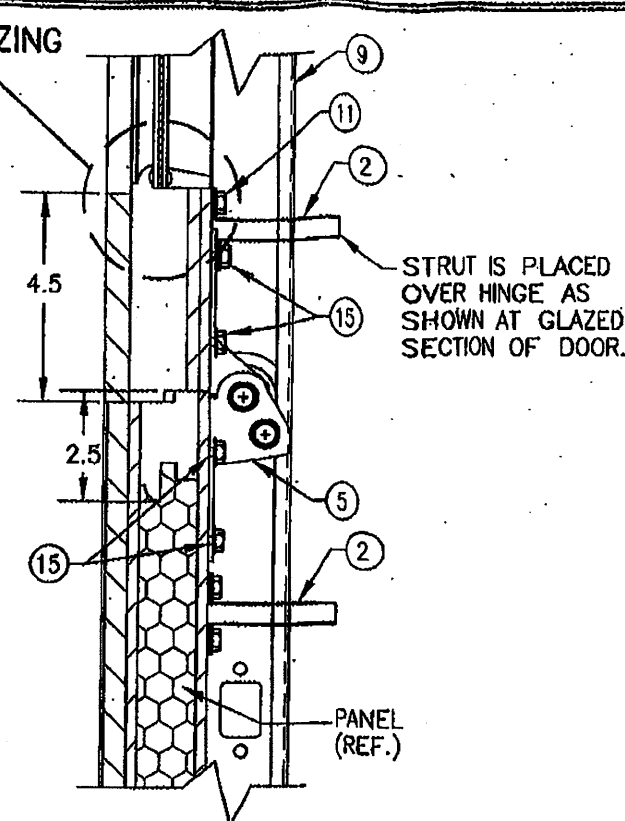
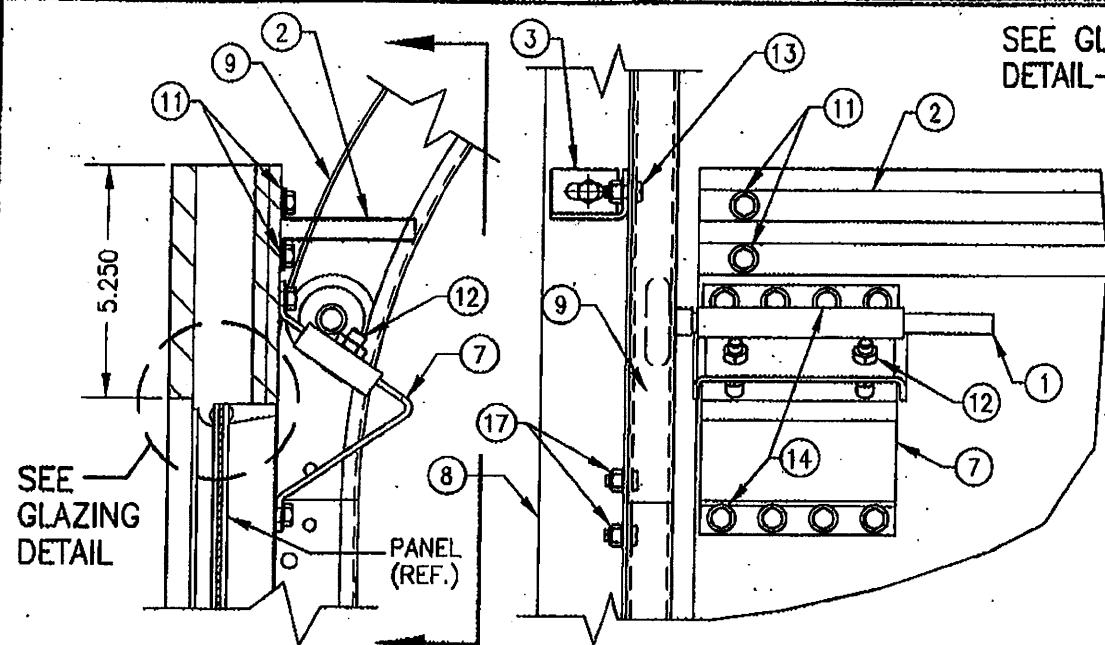
By *[Signature]*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 10-1119.01
Expiration Date 10/10/2012

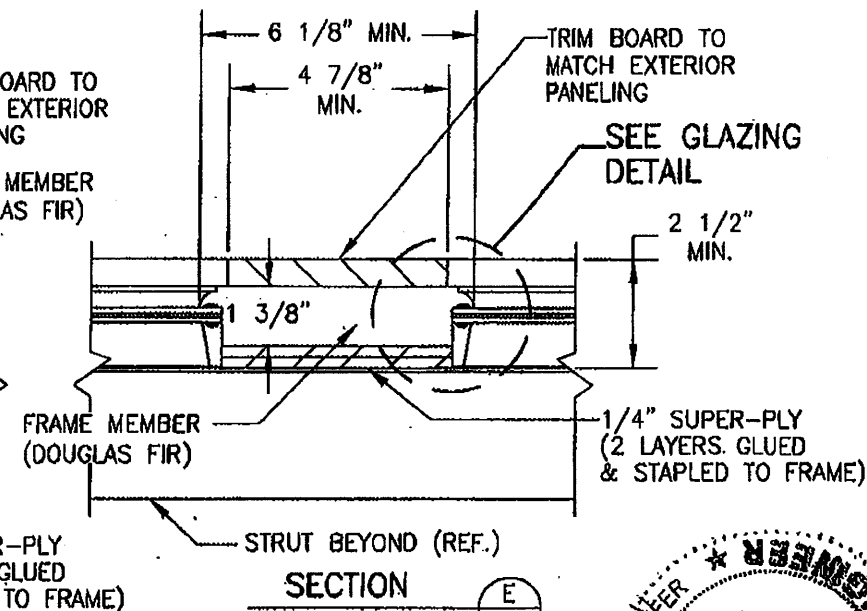
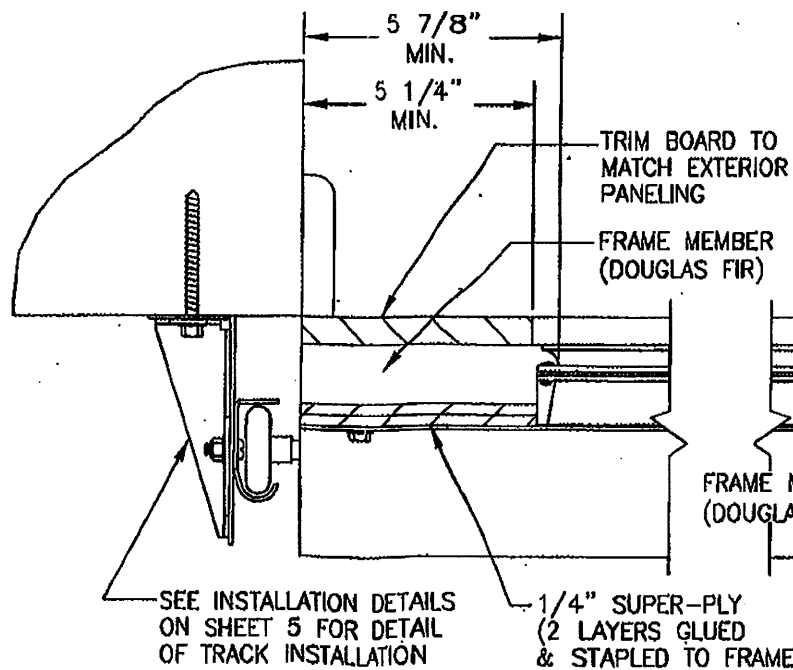
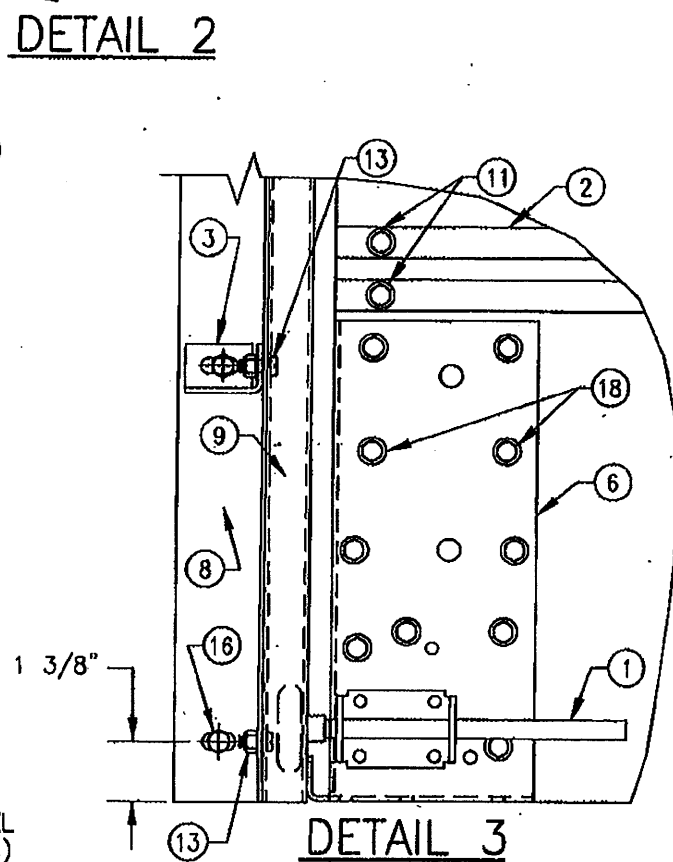
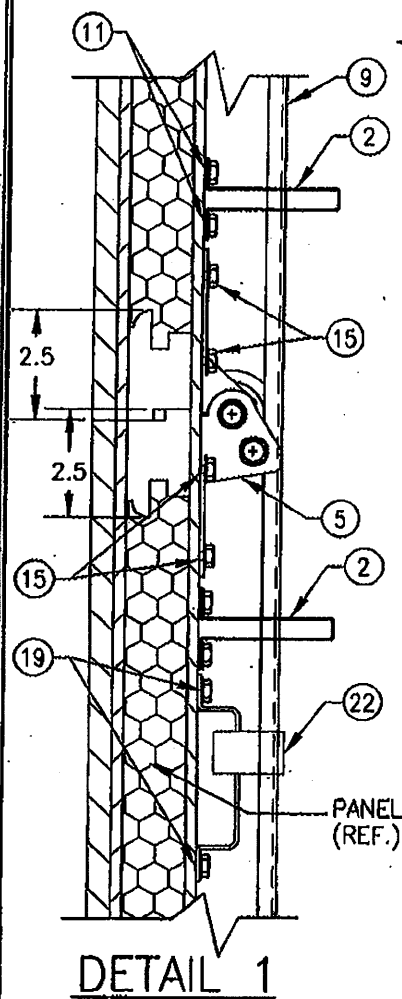
By *[Signature]*
Miami Dade Product Control



DRAWING TITLE	10'-6" WIDE GLAZED HURRICANE IMPACT WOOD GARAGE DOORS
DESIGNER	DESIGNER DOORS, INC. 702 TROY ST. RIVER FALLS, WI 54022 800-241-0525
MANUFACTURER	W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE 561-744-3424
CONSULTANTS	
CERTIFICATION	APR 12 2011
DRAWING NO.	1140
SHEET NO.	2 OF 5



GLAZING OPTIONS:
OPTION 1: 3/8" LAMINATED GLASS (1/8" AN/0.09 Solutia SAFLEX III G PVB/1/8" AN)
OPTION 2: 3/8" LAMINATED GLASS (1/8" AN/0.09 DUPONT BUTACITE PVB/1/8" AN)

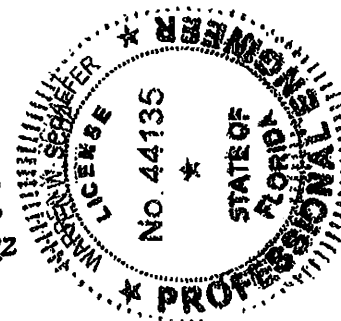


PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No 12-0824.02
 Expiration Date 10/10/2017
 By *[Signature]*
 Miami Dade Product Control

SECTION D
 SCALE: 1/4 FULL

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No 11-1006.03
 Expiration Date 10/10/2012
 By *[Signature]*
 Miami Dade Product Control

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No 10-1119.01
 Expiration Date 10/10/2012
 By *[Signature]*
 Miami Dade Product Control

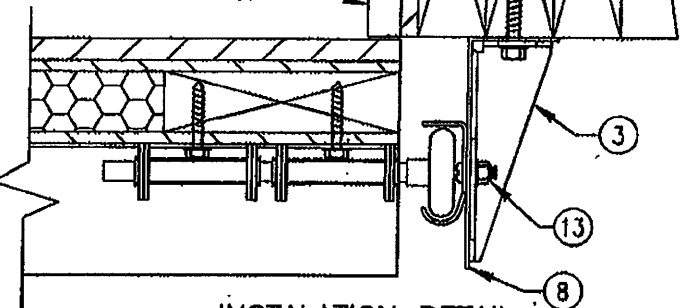


DRAWING TITLE 10'-6" WIDE GLAZED HURRICANE IMPACT WOOD GARAGE DOORS		DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		DATE 1-4	DATE 07/24/02
MANUFACTURER DESIGNER DOORS, INC.		NO.	REVISION DESCRIPTION
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		BY	DATE
CERTIFICATION APR 12 2011		NO.	REVISION DESCRIPTION
DRAWING NO. 1140		REV.	
SHEET NO. 3 OF 5			

MIN. (4) 2X STUDS (SYP WITH S.G.=0.55 MIN.) REQUIRED BY OTHERS

5/16" LAG BOLT WITH MIN. 2 1/2" FRAMING EMBED TO PENETRATE EITHER OF THE FRAMING STUDS (PREDRILL 3/16" DIA HOLE IN FRAMING)

OPTIONAL TRIM PIECE



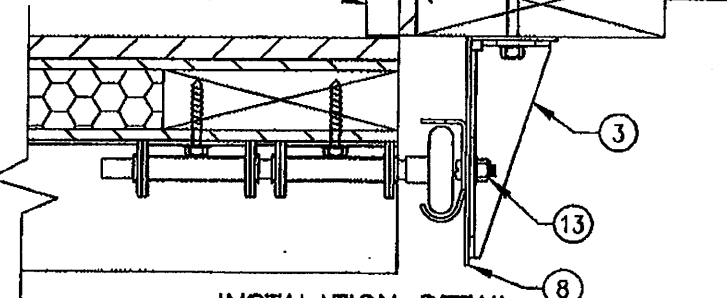
INSTALLATION DETAIL
DIRECT TO WOOD FRAMING

MIN. (4) 2X STUDS (SYP WITH S.G.=0.55 MIN.) REQUIRED BY OTHERS

5/16" LAG BOLT WITH MIN. 2 1/2" FRAMING EMBED TO PENETRATE EITHER OF THE FRAMING STUDS (PREDRILL 3/16" DIA HOLE IN FRAMING)

MIN. 2X6 NO. 2 SOUTHERN PINE P.T.

OPTIONAL TRIM PIECE

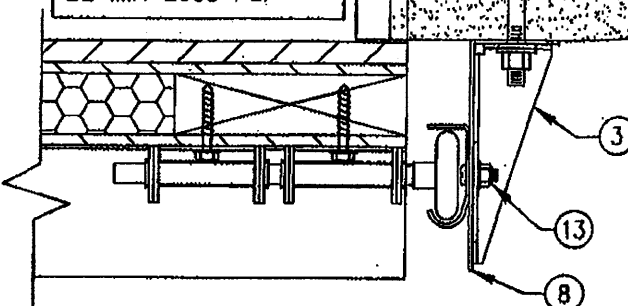


INSTALLATION DETAIL
SHIMMED TO WOOD FRAMING

3/8" DIA. RAWL POWER-BOLT, HILTI KWIK BOLT 3 OR RAMSET REDHEAD DYNABOLT EXPANSION ANCHOR (MIN. EMBED INTO SUBSTRATE = 3")

OPTIONAL TRIM PIECE

NOTE: CONCRETE MUST BE MIN 2000 PSI



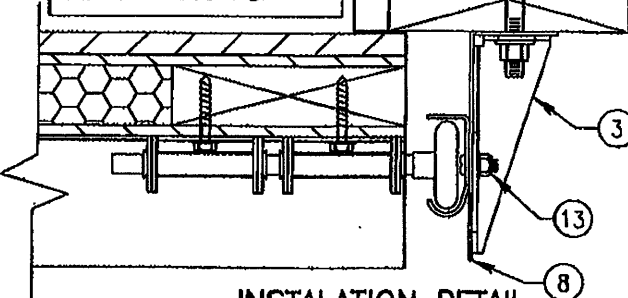
INSTALLATION DETAIL
DIRECT TO FILLED BLOCK
OR SOLID CONCRETE

3/8" DIA. RAWL POWER-BOLT, HILTI KWIK BOLT 3 OR RAMSET REDHEAD DYNABOLT EXPANSION ANCHOR (MIN. EMBED INTO SUBSTRATE = 3")

MIN. 2X6 NO. 2 SOUTHERN PINE P.T.

OPTIONAL TRIM PIECE

NOTE: CONCRETE MUST BE MIN 2000 PSI



INSTALLATION DETAIL
SHIMMED TO FILLED BLOCK
OR SOLID CONCRETE

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-0824.02
Expiration Date 12/10/2017
By *[Signature]*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1006.03
Expiration Date 12/10/2012
By *[Signature]*
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
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Expiration Date 12/10/2012
By *[Signature]*
Miami Dade Product Control

ITEM #	PART	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS & HARDWARE			
1	1030-0289	ROLLER	NYLON W/AISI 1045 STL ROD
2	1030-0213	3" REINFORCING STRUT (2 PER PANEL)	GALV. 80 KSI STEEL
3	1030-0287 1030-0288	HURRICANE BRACKET	GALV. 36 KSI STEEL
4	1030-0123	SINGLE ROLLER HINGE	GALV. 36 KSI STEEL
5	1030-0124 1030-0125	DOUBLE ROLLER HINGE	GALV. 36 KSI STEEL
6	1030-0084	BOTTOM CABLE BRACKET	GALV. 36 KSI STEEL
7	1030-0237	ADJUSTABLE TOP BRACKET	GALV. 36 KSI STEEL
8	1030-0085	TRACK ANGLE (TAPERED)	GALV. 33 KSI STEEL
9	1030-0227	VERTICAL TRACK (HORIZ. TRACK SIMILAR)	GALV. 33 KSI STEEL
10	1030-0083	HORIZONTAL REINFORCEMENT ANGLE	GALV. 33 KSI STEEL
MISCELLANEOUS FASTENERS			
11	-	1/4 X 1 1/2 HEX WASHER HEAD LAG SCREW	ALIGNED WITH HINGES CENTERLINES PER ELEVATION
12	-	3/8-18 BOLT	2 AT EACH TOP BRACKET
13	-	1/4-20 X 5/8 RIB NECK TRACK BOLT	1 PER HURRICANE BRACKET TO TRACK
14	-	1/4 X 1 1/2 HEX WASHER HEAD LAG SCREW	8 PER TOP BRACKET
15	-	1/4 X 1 1/2 HEX WASHER HEAD LAG SCREW	4 PER HINGE (8 PER EDGE HINGE)
16	-	TRACK ANCHOR AT TOP & BOTTOM OF TRACK ANGLE	PER INSTALLATION DETAIL W/O BRACKET
17	-	1/4-20 X 5/8 RIB NECK TRACK BOLT	4 AT TRACK SEAM (TRACK TO ANGLE)
18	-	1/4 X 1 1/2 HEX WASHER HEAD LAG SCREW	10 PER BOTTOM CABLE BRACKET
19	-	1/4 X 1 1/2 HEX WASHER HEAD LAG SCREW	4 PER SLIDE LOCK
LOCKING HARDWARE			
22	1030-0199	SLIDE LOCK	STEEL 1018 ZINC PLATED

PANEL NOTES:

- HORIZONTAL & VERTICAL FRAME MEMBERS ARE EDGE COPED, BUTTED TOGETHER & GLUED WITH "GORILLA GLUE." IN ADDITION, THE VERTICAL MEMBERS ARE SCREWED TO THE HORIZONTAL WITH 2 NO. 8 X 2" SCREWS ANGLED FROM THE BACK FACE OF THE DOOR.
- SUPER-PLY PLYWOOD IS STAPLED TO THE FRAME WITH 18 GA. X 5/8" X 1/4" STAPLES AND GLUED WITH CHEMREX 948 URETHANE ADHESIVE.
- THE EXTERIOR PANEL/STRIPS ARE ATTACHED TO THE SUPER-PLY AND FRAME WITH 18 GA. X 1 1/2" X 1/4" STAPLES AND CHEMREX 948 URETHANE ADHESIVE.
- EXTERIOR FINISH WOOD (PANELS/STRIPS) USED IN TESTING WAS NO. 2 WESTERN RED CEDAR WITH A SPECIFIC GRAVITY OF G = 0.32. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.32 OR GREATER.
- ALL INTERIOR FRAME MEMBERS SHALL BE NO. 2 DOUGLAS FIR WITH G = 0.49.
- IT IS THE OPTION OF DESIGNER DOOR TO INCORPORATE AN INTERIOR FINISH FACE ON ANY DOOR. THIS FACE SHALL BE EQUAL TO THOSE EXTERIOR FACES APPROVED PER THE DETAILS ON THIS DRAWING AND BE SECURED TO THE DOOR IN THE SAME MANNER AS THE EXTERIOR FACE. THIS INTERIOR FACE SHALL BE AN ADDITIONAL LAYER AND SHALL NOT REPLACE ANY LAYER SHOWN IN THE DETAILS ON THIS SHEET. ALSO, ALL HARDWARE LAG SCREWS SHALL BE LENGTHENED TO MIN. 2 1/4" TO ALLOW FOR THE ADDITIONAL THICKNESS OF THE ADDED INTERIOR SKIN.



DRAWING TITLE 10'-6" WIDE GLAZED HURRICANE IMPACT WOOD GARAGE DOORS		DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
DATE 1-4		DATE 07/24/02			
NO. REVISION DESCRIPTION		DATE			
BY					
MANUFACTURER DESIGNER DOORS, INC.		702 TROY ST. RIVER FALLS, WI 54022 800-241-0525			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE 561-744-3424			
CERTIFICATION APR 12 2011		DRAWING NO. 1140		REV. C	
		SHEET NO. 5		OF 5	